

NEOS GEN2



Designer : Michel Tortel



The most versatile solution for your road and urban lighting applications

The true successor to the renowned NEOS luminaires, NEOS GEN2 combines the most advanced LED technology with elegant design. Compact yet powerful, it offers versatile, energy-efficient lighting for a wide range of applications.

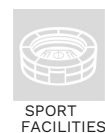
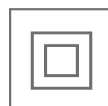
NEOS GEN2 not only illuminates but transforms spaces, providing both aesthetic appeal and functional performance.



IP 66

IK 09

IK 10



GENERAL INFORMATION	
Recommended installation height	8m to 15m
Circle Light label	Score ≥90 - The product fully meets circular economy requirements
Driver included	Yes
CE mark	Yes
ENEC certified	Yes
UL certified	Yes
Zhaga-D4i certified	Yes
UKCA marking	Yes

HOUSING AND FINISH	
Housing	Aluminium
Optic	PMMA
Protector	Tempered glass Polycarbonate
Housing finish	Polyester powder coating
Standard colour(s)	AKZO grey 900 sanded
Tightness level	IP 66
Impact resistance	IK 09, IK 10
Vibration test	Compliant with modified IEC 68-2-6 (0.5G)
Access for maintenance	Tool-less access to gear compartment

· NEMA socket is only available for NEOS GEN2 size 2

OPERATING CONDITIONS	
Operating temperature range (Ta)	-30°C up to +45°C

· Depending on the luminaire configuration. For more details, please contact us.

DIMENSIONS AND MOUNTING	
AxBxC (mm)	NEOS GEN2 1 : 384x107x293 NEOS GEN2 2 : 416x107x416
Weight (kg)	NEOS GEN2 1 : 7.1 NEOS GEN2 2 : 10.1
Aerodynamic resistance (CxS)	NEOS GEN2 1 : 0.13 NEOS GEN2 2 : 0.20
Mounting possibilities	Adjustable inclination bracket

· For more information about mounting possibilities, please consult the installation sheet.

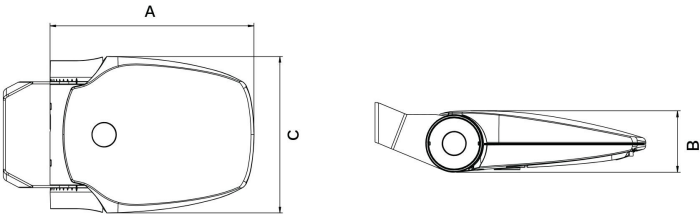
ELECTRICAL INFORMATION	
Electrical class	Class I, Class II
Nominal voltage	220-240V – 50-60Hz
Surge protection options (kV)	10
Electromagnetic compatibility (EMC)	EN 55015 / EN 61000-3-2 / EN 61000-3-3 / EN 61547
Control protocol(s)	1-10V, DALI
Control options	AmpDim, Bi-power, Custom dimming profile, Photocell, Remote management
Socket	Zhaga NEMA 7-pin (optional)
Associated control system(s)	Schröder EXEDRA Schröder ITERRA
Sensor	Motion sensor (optional)

OPTICAL INFORMATION	
LED colour temperature	3000K (Warm White WW 830) Optional: 1700K (Amber 517) 2200K (Yellow 722) 4000K (Neutral White NW 840) 5700K (Cool White CW 857)
Colour rendering index (CRI)	>80 >50 (optional), >70 (optional)











· Other colour temperatures and colour rendering Indexes available. Please consult us.

LIFETIME OF THE LEDS @ TQ 25°C	
All configurations	100,000h - L92

· Lifetime may be different according to the size/configurations. Please consult us.





Product Code	Description	Current (mA)	System Power (W)	* Optic	Beam Distribution	Render
NEOS GEN21						
NEOSL21-100266	NEOS21 23W 830 20L 5300 D4 ZH 7043T	350	23	5300	ULTRA NARROW	
NEOSL21-100275A	NEOS21 45W 830 20L 5300 D4 ZH 7043T	700	45	5300	ULTRA NARROW	
NEOSL21-100275B	NEOS21 65W 830 20L 5300 D4 ZH 7043T	1000	65	5300	ULTRA NARROW	
NEOSL21-100267	NEOS21 23W 830 20L 5301 D4 ZH 7043T	350	23	5301	NARROW	
NEOSL21-100268A	NEOS21 45W 830 20L 5301 D4 ZH 7043T	700	45	5301	NARROW	
NEOSL21-100268B	NEOS21 65W 830 20L 5301 D4 ZH 7043T	1000	65	5301	NARROW	
NEOSL21-100269	NEOS21 23W 830 20L 5304 D4 ZH 7043T	350	23	5304	MEDIUM	
NEOSL21-100270A	NEOS21 45W 830 20L 5304 D4 ZH 7043T	700	45	5304	MEDIUM	
NEOSL21-100270B	NEOS21 65W 830 20L 5304 D4 ZH 7043T	1000	65	5304	MEDIUM	
NEOSL21-100272	NEOS21 23W 830 20L 5308 D4 ZH 7043T	350	23	5308	WIDE	
NEOSL21-100271A	NEOS21 45W 830 20L 5308 D4 ZH 7043T	700	45	5308	WIDE	
NEOSL21-100271B	NEOS21 65W 830 20L 5308 D4 ZH 7043T	1000	65	5308	WIDE	
NEOSL21-100273	NEOS21 23W 830 20L 5393 D4 ZH 7043T	350	23	5393	ULTRA WIDE	
NEOSL21-100274A	NEOS21 45W 830 20L 5393 D4 ZH 7043T	700	45	5393	ULTRA WIDE	
NEOSL21-100274B	NEOS21 65W 830 20L 5393 D4 ZH 7043T	1000	65	5393	ULTRA WIDE	
NEOS GEN22						
NEOSL22-100266	NEOS22 43W 830 40L 5300 D4 ZH 7043T	350	43	5300	ULTRA NARROW	
NEOSL22-100267	NEOS22 87W 830 40L 5300 D4 ZH 7043T	700	87	5300	ULTRA NARROW	
NEOSL22-100268	NEOS22 128W 830 40L 5300 D4 ZH 7043T	1000	128	5300	ULTRA NARROW	
NEOSL22-100271	NEOS22 43W 830 40L 5301 D4 ZH 7043T	350	43	5301	NARROW	
NEOSL22-100270	NEOS22 87W 830 40L 5301 D4 ZH 7043T	700	87	5301	NARROW	
NEOSL22-100269	NEOS22 128W 830 40L 5301 D4 ZH 7043T	1000	128	5301	NARROW	
NEOSL22-100272	NEOS22 43W 830 40L 5304 D4 ZH 7043T	350	43	5304	MEDIUM	
NEOSL22-100273	NEOS22 97W 830 40L 5304 D4 ZH 7043T	700	87	5304	MEDIUM	
NEOSL22-100274	NEOS22 128W 830 40L 5304 D4 ZH 7043T	1000	128	5304	MEDIUM	
NEOSL22-100277	NEOS22 43W 830 40L 5308 D4 ZH 7043T	350	43	5308	WIDE	
NEOSL22-100276	NEOS22 87W 830 40L 5308 D4 ZH 7043T	700	87	5308	WIDE	
NEOSL22-100275	NEOS22 128W 830 40L 5308 D4 ZH 7043T	1000	128	5308	WIDE	
NEOSL22-100278	NEOS22 43W 830 40L 5393 D4 ZH 7043T	350	43	5393	ULTRA WIDE	
NEOSL22-100279	NEOS22 87W 830 40L 5393 D4 ZH 7043T	700	87	5393	ULTRA WIDE	
NEOSL22-100280	NEOS22 128W 830 40L 5393 D4 ZH 7043T	1000	128	5393	ULTRA WIDE	

Configuration Options

830/840/857	CRI80 3000K / CRI80 4000K / CRI80 5700K
BL	Back Light Limitor
D4	DALI D4i
ZH	Zhaga
PESN7	NEMA with Shorting Cap
7043T	RAL7043T Traffic Grey Textured Finish

* This is just a selection of the photometrical solutions available. For more information, please visit www.sylvania-schreder.com or contact your sales representative.